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Formation and reading of optically scanned codes - using catadioptric surface to form optically coded markings producing reflections close to axis of incident light

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Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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FR 2594982	A	19870828	FR 862375	A	19860221	198745 B
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Priority Applications (No Type Date): FR 862375 A 19860221

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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FR 2594982	A		14		
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Abstract (Basic): FR 2594982 A

The optically scanned surfaces carry code marks made up of catadioptric markings (14) formed from a commercially available adhesive material. The material exhibits the catadioptric property of reflecting an incident ray within a narrow cone aligned with the angle of incidence of the incident light.

The surface carrying the codes is illuminated (3) with incident rays of light (16) which lie as close as possible to the optical axis (18) of the optical detector (4), usually a camera. The optical axis of the detector is in the cone of reflection (17) of the incident light rays and the surface is scanned by sweeping the light source.

ADVANTAGE - Permits reduction of illumination power in reading optical code. Improved reading reliability.